

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

☐ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

☐ 7.

Other: \_\_\_\_\_

**Applicant must provide:**

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"

☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/913,430

DATE: 02/03/1999

TIME: 15:56:07

Input Set: H913430.RAW

<p>This Raw Listing contains the General Information Section and those Sequences containing ERRORS.</p>
---

1 <110> Walker, John  
 2 Lee, Rogan  
 3 Dougherty, Stephen W.  
 4 <120> Antigen Composition Against Mycoplasma  
 5 <130> U-011415-0  
 6 <140> US/08/913,430  
 7 <141> 1997-12-09  
 8 <150> PCT/AU96/00149  
 9 <151> 1996-03-15  
 10 <150> PN 1789  
 11 <151> 1995-03-16  
 E--> 12 <160> 15 18 *show (see next page)*  
 13 <170> PatentIn Ver. 2.0 - beta

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES FOLLOW

---

14 <210> 16  
 15 <211> 23  
 16 <212> DNA  
 17 <213> Mycoplasma hyopneumoniae  
 18 <220>  
 19 <221> modified\_base  
 20 <222> (3)  
 21 <223> modified base (Inosine) used in primer sequence  
 22 <220>  
 23 <221> modified\_base  
 24 <222> (18)  
 25 <223> modified base (Inosine) used in primer sequence  
 26 <400> 16  
 E--> 27 actaacgacg agaagcca ggc

*"i" is invalid for use in the sequence itself -  
 use "h" and define  
 in <220>-<223>  
 section*

23

---

28 <210> 17  
 29 <211> 23  
 30 <212> DNA  
 31 <213> Mycoplasma hyopneumoniae  
 32 <220>  
 33 <221> modified\_base  
 34 <222> (3)  
 35 <223> modified base (Inosine) used in primer sequence  
 36 <220>  
 37 <221> modified\_base  
 38 <222> (9)

PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/913,430DATE: 02/03/1999  
TIME: 15:56:07

Input Set: H913430.RAW

39 <223> modified base (Inosine) used in primer sequence  
40 <220>  
41 <221> modified\_base  
42 <222> (15)  
43 <223> modified base (Inosine) used in primer sequence  
44 <400> 17  
E--> 45 ~~tttagctt~~g ~~tgat~~gcctg ctc *same error* 23

---

46 <210> 18  
47 <211> 20  
48 <212> DNA  
49 <213> Mycoplasma hyopneumoniae *last sequence in file*  
50 <220>  
51 <221> modified\_base  
52 <222> (18)  
53 <223> modified base (Inosine) used in primer sequence  
54 <400> 18  
E--> 55 aggtcgatga tcttcca~~l~~cc 20

Input Set: H913430.RAW

Line ? Error/Warning

Original Text

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12 E # of Seq. 15 Not Equal Actual 18

&lt;160&gt; 15

27 E Wrong Nucleic Acid Designator

aciaacgacg agaagccica ggc

27 E Wrong Nucleic Acid Designator

aciaacgacg agaagccica ggc

45 E Wrong Nucleic Acid Designator

ttiagcttig tgatigcctg ctc

45 E Wrong Nucleic Acid Designator

ttiagcttig tgatigcctg ctc

45 E Wrong Nucleic Acid Designator

ttiagcttig tgatigcctg ctc

55 E Wrong Nucleic Acid Designator

aggtcgatga tcttccaicc